



1504 - AMI Intra-pixel Response

Cycle: 1, Proposal Category: CAL/NIRISS

INVESTIGATORS

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OBSERVATIONS

<i>Folder</i>	<i>Observation</i>	<i>Label</i>	<i>Observing Template</i>	<i>Science Target</i>
Observation Folder				
	1		NIRISS Aperture Masking Interferometry	(1) HD-172569

ABSTRACT

A series of exposures of a single star with sub-pixel offsets will be used to characterize the variations in the AMI PSF with the position of the star within the pixel.

This calibration program is provisional and may change in response to system developments and the final science program.

OBSERVING DESCRIPTION

An observation of an isolated single bright star will be carried out in the NIRISS AMI mode with a series of sub-pixel dithers. The combined set of observations will characterize the changes in the PSF as a function of where the star is positioned relative to the pixel center.

No phase calibration observation is required for this special calibration.

Two possible targets are provided for flexibility. Only one of the two needs to be observed. Both are continuously visible.

Proposal 1504 - Targets - AMI Intra-pixel Response

Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Miscellaneous
	(1)	HD-172569	RA: 18 36 13.2738 (279.0553075d) Dec: +65 29 19.38 (65.48872d) Equinox: J2000	Proper Motion RA: 20.095 mas/yr Proper Motion Dec: 83.659 mas/yr Parallax: 0.015" Epoch of Position: 2015	
	<i>Comments: This object was generated by the targetselector and retrieved from the SIMBAD database.</i> Category=Star Description=[F dwarfs] Extended=NO				
(2)	-ETA01-DOR	RA: 06 06 9.3818 (91.5390908d) Dec: -66 02 22.64 (-66.03962d) Equinox: J2000			
	<i>Comments: This object was generated by the targetselector and retrieved from the SIMBAD database.</i> Category=Star Description=[G dwarfs] Extended=NO				

Proposal 1504 - Observation 1 - AMI Intra-pixel Response

Thu Sep 10 22:01:45 GMT 2020

Observation	<p>Proposal 1504, Observation 1 Diagnostic Status: Warning Observing Template: NIRISS Aperture Masking Interferometry</p>									
Diagnostics	(Visit 1:1) Warning (Form): Overheads are provisional until the Visit Planner has been run.									
Fixed Targets	#	Name	Target Coordinates			Targ. Coord. Corrections			Miscellaneous	
	(1)	HD-172569	RA: 18 36 13.2738 (279.0553075d) Dec: +65 29 19.38 (65.48872d) Equinox: J2000			Proper Motion RA: 20.095 mas/yr Proper Motion Dec: 83.659 mas/yr Parallax: 0.015" Epoch of Position: 2015				
	<p><i>Comments: This object was generated by the targetselector and retrieved from the SIMBAD database.</i> Category=Star Description=[F dwarfs] Extended=NO</p>									
Acquisition	#	Target	Acquisition Mode	Filter	Readout Pattern	Groups/Int	Integrations/Exp	Total Integrations	Total Exposure Time	ETC Wkbk.Calc ID
	1	1 HD-172569	AMIBRIGHT	F480M	NISRAPID	7	1	1	0.422	23219
Template	Subarray					Direct Image				
	SUB80					false				
Dithers	#	Primary Dithers				Subpixel Positions				
	1	NONE				25				
Spectral Elements	#	Filter	Readout Pattern	Groups/Int	Integrations/Exp	Total Dithers	Total Integrations	Total Exposure Time	ETC Wkbk.Calc ID	
	1	F430M	NISRAPID	5	20	25	500	236.56		

Proposal 1504 - Observation 1 - AMI Intra-pixel Response

PSF References

PSF Reference: true